

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-47. (Withdrawn)

48. (Currently amended) A vector comprising a chimeric gene for a chimeric protein, which chimeric gene comprises (i) a coding sequence for a test peptide, (ii) a coding sequence for a surface protein of a display package, and (iii) RNA splice sites flanking the coding sequence for the surface protein, wherein,

in a display mode, the chimeric gene is expressed as a fusion protein including the test peptide and the surface protein such that the test peptide can be displayed on the surface of a ~~population of~~ display packages,

whereas in ~~the~~ a secretion mode, the test peptide is expressed without the surface protein as a result of the coding sequence for the surface protein being removed by RNA splicing.

49. (Original) The vector of claim 48, wherein the chimeric gene further comprises a secretion signal sequence for secretion of the test peptide in the secretion mode.

50. (Original) The vector of claim 49, wherein the secretion signal sequence causes secretion of the test peptide from eukaryotic cells.

51. (Original) The vector of claim 50, wherein the eukaryotic cells are mammalian cells.

52. (Original) The vector of claim 48, wherein the display package is a phage.

53. (Currently amended) The vector of claim 52, wherein the phage is selected from ~~a group consisting of~~ M13, f1, fd, If1, Ike, Xf, Pf1, Pf3, λ , T4, T7, P2, P4, ϕ X-174, MS2 and f2.

54. (Original) The vector of claim 52, wherein the phage is a filamentous bacteriophage specific for *Escherichia coli* and the surface protein is coat protein III or coat protein VIII.

55. (Currently amended) The vector of claim 54, wherein the filamentous bacteriophage is selected from ~~a group consisting of~~ M13, fd, and f1.

56-79. (Withdrawn)

80. (Previously added) The vector of claim 48, as shown in Figure 1, 2 or 3.

81. (New) The vector of claim 48, further including a DNA element selected from an origin of replication for a prokaryotic cell, a transcriptional regulatory element for expressing the chimeric gene in a prokaryotic cell, a transcriptional regulatory element for expressing the chimeric gene in a eukaryotic cell, a secretion signal, a coding sequence for a phage coat protein, a marker gene, and a phage origin of replication.

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82. (New) The vector of claim 48, wherein the test peptide is 4-20 amino acid residues in length.
